

Title (en)

SURGICAL CLIP APPLIER COMPRISING AN EMPTY CLIP CARTRIDGE LOCKOUT

Title (de)

CHIRURGISCHER KLAMMERAPPLIKATOR MIT VERRIEGELUNG FÜR LEERE KLAMMERKARTUSCHE

Title (fr)

APPLICATEUR D'AGRAFES CHIRURGICALES COMPRENANT UN VERROUILLAGE DE CARTOUCHE D'AGRAFES VIDE

Publication

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Application

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- US 201762578855 P 20171030
- US 201762611339 P 20171228
- US 201762611340 P 20171228
- US 201762611341 P 20171228
- US 201815908012 A 20180228
- US 201815908021 A 20180228
- US 201815908040 A 20180228
- US 201815908057 A 20180228
- US 201815908058 A 20180228
- US 201815908143 A 20180228
- US 201862649291 P 20180328
- US 201862649294 P 20180328
- US 201862649296 P 20180328
- US 201862649300 P 20180328
- US 201862649302 P 20180328
- US 201862649307 P 20180328
- US 201862649309 P 20180328
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- US 201862649313 P 20180328
- US 201862649315 P 20180328
- US 201862649320 P 20180328
- US 201862649323 P 20180328
- US 201862649327 P 20180328
- US 201862649333 P 20180328
- US 201862659900 P 20180419
- US 201862665128 P 20180501
- US 201862665129 P 20180501
- US 201862665134 P 20180501
- US 201862665139 P 20180501
- US 201862665177 P 20180501
- US 201862665192 P 20180501
- US 201816112245 A 20180824
- US 201816112237 A 20180824
- US 201816112253 A 20180824
- US 201816112257 A 20180824
- US 201816112249 A 20180824

Abstract (en)

A surgical clip applier comprising a rotatable clip cartridge is disclosed. The surgical clip applier comprises a lockout that at least locks out the crimping drive of the surgical clip applier when the rotatable clip cartridge is empty.

IPC 8 full level

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Citation (search report)

- [XAI] US 6059799 A 20000509 - ARANYI ERNIE [US], et al
- [XAI] WO 2016206015 A1 20161229 - COVIDIEN LP [US], et al
- [XAI] EP 0704190 A1 19960403 - UNITED STATES SURGICAL CORP [US]
- [A] US 2014005693 A1 20140102 - SHELTON IV FREDERICK E [US], et al
- [A] EP 3170460 A1 20170524 - COVIDIEN LP [US]

- [XA] WO 2016205184 A1 20161222 - ETHICON ENDO SURGERY LLC [US]
- [A] WO 2016112509 A1 20160721 - COVIDIEN LP [US], et al
- [XA] EP 2412319 A2 20120201 - TYCO HEALTHCARE [US]
- [XA] EP 0000756 A1 19790221 - KLIEMAN CHARLES H
- [XA] US 4412539 A 19831101 - JARVIK ROBERT K [US]
- [A] US 6793663 B2 20040921 - KNEIFEL BERNHARD [DE], et al

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